



LANDAU
ASSOCIATES,
INC.

Geoenvironmental Engineering and Technologies

COLSF 8.401

November 11, 1992

Mr. Mike Kuntz
Washington State Department of Ecology
P.O. Box 47600, M/S PV-11
Olympia, WA 98504-8711

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SUPERFUND REMEDIAL BRANCH

RE: COLBERT LANDFILL RD/RA
PROGRESS REPORT
OCTOBER 1992

USEPA SF



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Dear Mr. Kuntz:

Presented herein is the October 1992 Progress Report for the Colbert Landfill RD/RA Superfund Project (Project), which was prepared by Landau Associates, Inc., Spokane County's engineering consultant. This progress report addresses the reporting requirements specified in Section XI of the Project Consent Decree, including:

- Remedial action activities commenced or completed during the reporting period
- Remedial action activities projected to be commenced or completed through November 1992
- Any problems that were encountered or are anticipated.

1.0 ACTIVITIES COMMENCED/COMPLETED DURING REPORTING PERIOD

Activities commenced and/or completed during this reporting period include continuation of limited Phase II design activities, continuation of Phase II well construction, and groundwater sampling. Specific activities performed during the reporting period included:

- Phase II well construction is ongoing. The following well construction activities occurred during the report period (refer to the appropriate Phase II work plans for well locations):
 - Monitoring Well CD45-C3 was completed in the Lower Sand/Gravel Aquifer, and is screened from about 325 to 335 ft below ground surface (BGS)
 - Monitoring Well CD48-C2 was completed in the Lower Sand/Gravel Aquifer, and is screened from about 280 to 300 ft BGS.
 - Drilling was initiated for Extraction Well CP-W2. The boring was advanced to a depth of 32 ft BGS by October 31.

- Monitoring Wells CD-31A, CD-34A, CD-36A, CD-37A, and CD-38A were sampled October 21-22, 1992. Samples were analyzed for volatile organic compounds and turbidity. Analytical results should be available by mid-November.
- Design of the Phase II remedial action is continuing. Design is largely limited to the extraction and discharge systems until NPDES issues are resolved.

2.0 ACTIVITIES/PROJECTS TO BE COMMENCED/COMPLETED DURING NEXT REPORTING PERIOD

The next reporting period extends through November 1992. Anticipated activities for the next reporting period include:

- Continue Phase II well construction activities. Monitoring Well CD-45C1 and Extraction well CP-W2 are under construction and should be completed prior to the end of October. It is anticipated that construction will be initiated on Monitoring Well CD-48C1 and Extraction Well CP-S3 following completion of the wells presently under construction.
- Continue design of the Phase II remedial action. However, design activity is limited to system components that are unlikely to be effected by system changes that could result from NPDES discharge limits, such as groundwater extraction and discharge systems.
- Initiate revision to the Preliminary Phase II Treatment and Discharge Plan and Quality Assurance Project Plan (QAPjP), contingent upon resolution of NPDES issues.

3.0 ENCOUNTERED/ANTICIPATED PROBLEMS

A response from Ecology to Landau Associates' September 25, 1992 technical memorandum addressing NPDES issues was not received in October. As a result, the potential problems identified in the Third Quarter 1992 Progress Report are still relevant, and the proposed schedule for submittal of deliverables presented therein is still applicable. We can only reiterate the importance of resolving these issues as soon as possible so Phase II design can be completed.

A property access issue has arisen that cannot be resolved by Spokane County. The owner of the property within which Extraction Well CP-E4 is to be located is unwilling to accept reasonable compensation for a well and utility easement. After extensive negotiation, the property owner has demanded compensation that greatly exceeds the value of the property and Spokane County terminated negotiations. It appears that property access can only be obtained through condemnation, and could require EPA to exercise its statutory authority for right of

entry. Consequently, it appears unlikely that Spokane County cannot construct the well within the presently identified schedule for construction of the Phase II Remedial Action.


Although extraction Well CP-E4 is part of the proposed Phase II remedial action, its purpose is source control, and the absence of this well is not anticipated to compromise the ability of the Phase II Remedial Action to protect human health and the environment. As a result, it may be appropriate to defer a decision on pursuing property access through litigation or statutory measures until performance of the Phase II Remedial Action without Extraction Well CP-E4 can be evaluated. Because the Project Consent Decree specifies that the Phase II Remedial Action contain certain components, EPA and Ecology must concur with deferral of Extraction Well CP-E4 construction. Spokane County will pursue further discussion of this issue with EPA and Ecology.

* * * * *

This report describes progress on only the primary Project remedial action activities. There are peripheral activities associated with the primary activities that are not described herein. If clarification is required for any of these activities presented in this progress report, or if additional information is desired for peripheral activities, please contact Landau Associates or Dean Fowler (Spokane County).

LANDAU ASSOCIATES, INC.

By:


Lawrence D. Beard, P.E.
Project Manager

LDB/sms
No. 124001.60

cc: Neil Thompson, U.S. EPA
Dean Fowler, Spokane County
Lyle Diedieker, Ecology & Environment, Inc.